

Project		Date	
Type		Notes	

LED Hybrid™ Hazardous Locations

The LED Hybrid™ fixture is a durable multi-purpose and corrosion-resistant LED lighting solution that can be used in heavy industrial applications where hazardous location lighting is required. The Hybrid uses thermally conductive engineered polymers to extract heat away from the light source and its natural convection allows for maximum thermal performance while minimizing energy costs.

Housing Construction

The Hybrid engineered plastics are made from a variety of outdoor rated polycarbonate resins. The unique feature of the housing is that it is made of a specially compounded thermally conductive polycarbonate resin. This allows for excellent heat transfer and heat management of the LED junction temperature and eliminates the typical aluminum housing which has coatings that are highly receptive to corrosion and degradation.

Specifications

- Dimming: 0-10V
- Lens: Clear or Frosted Polycarbonate
- Laminated Glass Lens Optional
- Weight: 7.5 pounds
- 45W & 90W Temperature Rating: T3C (Class 1), T4 (Class 2 & 3)
- 30W Temperature Rating: T5 (Class 1), T4 (Class 2 & 3)
- 1/2" or 3/4" Stainless Steel NPT Connector Hub

Watts	30W	45W & 90W
Voltage	120-277V & 347-480V	120-277V
Lumens	5,300	5,600 & 11,200
Efficacy	176 LPW	124 LPW
Color Temperature	4000K & 5000K	4000K & 5000K
LED Life	Projected: 100,000 hours	Projected: 100,000 hours
Operating Temperature	-22°F to 122°F; -30°C to 50°C	-22°F to 113°F; -30°C to 45°C
Warranty	5 year limited warranty	

Applications

Gas Stations, Grain Elevators, Food Processing, Distilleries, Chemical Plants, Refineries, Pulp and Paper Mills, Power Generation, Wastewater Treatment Plants, Ship Yards, Mines, Petroleum



Manufactured in America with globally and domestically sourced components.



Hazardous Classifications:

Class 1: Flammable gases & liquids

- Division 2: The hazardous atmosphere is only available infrequently (i.e. in case of spill).
- Groups A, B, C, D: Includes acetylene, hydrogen and similar gases to it, plus common flammable substances such as butane, gasoline, natural gas and propane.

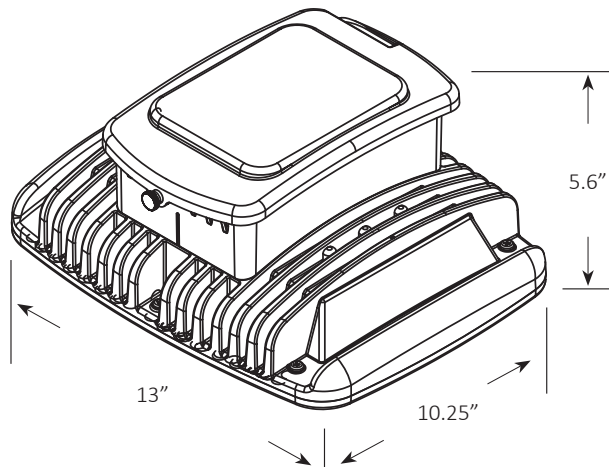
Class 2: Dust

- Division 2: The hazardous atmosphere is only available infrequently (i.e. in case of spill).
- Groups F, G: Group F contains dusts consisting of or containing carbon or its compounds (i.e. coal), and Group G dusts are non-conductive dusts (i.e. grain, wood or plastic).

Class 3: Fibers or Flyings

- Contains easily ignitable fibers or flyings, but the concentration of these fibers or flyings are not suspending in the air in such quantities that would produce ignitable mixtures.

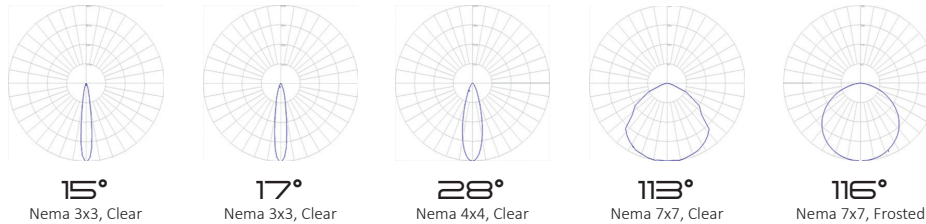
Dimensional Drawing



Mounting Options



Beam Angles



Ordering Guide

Wattage	Fixture	CCT	Mount	Optics	Voltage	Face Color	Spec	Lens Material	Access.	Build	Rev
	HY						HZ		SC		01
030 = 30W	HY = Hybrid	40 = 4000K	ST = Area	FR = Frosted, NEMA 7x7 BA (116°)	VL = 120-277V VH = 347-480V (30W Only)	Y = Yellow	HZ = Hazardous Locations	00 = Polycarbonate	SC = Safety Cable	H0 = Adjustable Wall Pack	
				CL = Clear, NEMRA 7x7 BA (113°)						H2 = Trunnion Surface	
045 = 45W		FL = Flood	44 = Clear, NEMRA 4x4 BA (28°)	VL = 120-277V	B = Black	LG = Laminated Glass	H3 = Adjustable Wall Pack (Blk)				
			33 = Clear, NEMRA 3x3 BA (17°)				H4 = Adjustable Stanchion				
090 = 90W		WN = Wall Pack	22 = Clear, NEMRA 3x3 BA (15°)	H5 = Trunnion Surface (Blk)							
				H6 = Surface							
				H7 = Pendant							
				Z0 = Flood							